

Quiz 18B

NAME _____

1. If a bumper with embedded ultrasonic sensors is painted, the maximum paint thickness is _____.
A) 15 mils
B) 0.006 mils
C) 6 mils
D) 2 coats 1. _____
2. An adaptive cruise control system is not operating properly Technician A says that the sensor behind the grill may be covered with mud. Technician B says that a vehicle front cover may be blocking the sensor. Which technician is correct?
A) Technician A only
B) Technician B only
C) Both technicians A and B
D) Neither technician A nor B 2. _____
3. If the pre-collision system senses an imminent collision, all of the following EXCEPT _____ will occur.
A) an alarm will sound
B) the engine will shut off
C) a warning lamp will flash
D) the brakes will be applied 3. _____
4. The purpose of lane keep assist (LKA) is _____.
A) to warn the driver if moving out of a lane
B) used with adaptive cruise control to self-drive the vehicle without driver input or control
C) to keep the vehicle within the lane, using the electric power steering
D) Both a and c 4. _____
5. Calibrating radar and cameras involves all of the following EXCEPT _____.
A) factory or factory-level scan tool
B) special targets set at precisely specified location around the vehicle
C) both static (stationary and dynamic (moving) calibration is required
D) driving the vehicle in a circle 10 times to calibrate the cameras 5. _____
6. Self-parking vehicles use _____ and control the _____ to control the vehicle into a parking space.
A) radar; throttle
B) camera; electric power steering
C) sonic sensor; brakes
D) radar; electric power steering 6. _____

7. LIDAR systems are capable of _____. 7. _____
- A) creating 3-D images at 300 yards
 - B) recognizing an object
 - C) measuring distance, location, and speed
 - D) All of the above
8. Rear cross-traffic alert is used to warn the driver when backing out from a parking space if there is a vehicle approaching from either side. The system uses _____ installed on both sides of the vehicle near the rear bumper. 8. _____
- A) sonar
 - B) ultrasonic
 - C) radar
 - D) cameras
9. Lane departure warning systems uses cameras to watch _____. 9. _____
- A) speed bumps approaching
 - B) lane marking lines
 - C) median grass
 - D) road shoulders
10. Blind spot monitor (BSM) warnings can be _____. 10. _____
- A) visual
 - B) audible
 - C) vibrating (tactile)
 - D) Any of the above

Answer Key

Testname: EV1_18B

1. C
Page Ref: 254
2. C
Page Ref: 256
3. B
Page Ref: 259
4. D
Page Ref: 395
5. D
Page Ref: 400-401
6. B
Page Ref: 395
7. D
Page Ref: 260-261
8. C
Page Ref: 398
9. B
Page Ref: 254
10. D
Page Ref: 393